4. Highest and Lowest Score Analysis

Wallet Analysis Document

Overview of High-Scoring and Low-Scoring Wallets

This analysis examines the behaviors and characteristics of the 5 highest and 5 lowest scoring wallets in our dataset to provide insights into what constitutes responsible versus risky protocol usage.

High-Scoring Wallet Analysis

1. **Excellent Repayment Behavior**: All top wallets maintain repayment ratios above 0.95, indicating they consistently repay borrowed amounts.
2. **No Liquidation History**: None of the top wallets have experienced liquidations, demonstrating proper risk management and collateralization.
3. **Long-Term Protocol Participation**: These wallets typically have account ages exceeding 90 days, showing sustained engagement with the protocol.
4. **Diversified Asset Usage**: Top wallets interact with 3+ different assets, suggesting sophisticated usage and risk diversification.
5. **Consistent Transaction Patterns**: Transaction timing shows regular patterns without suspicious clustering, indicating genuine human-driven activity.

6. **Balanced Borrowing**: These wallets maintain healthy borrow-to-deposit ratios, typically below 0.70, showing conservative leverage usage.
7. **Normal Transaction Sizes**: Transaction amounts show reasonable variability without extreme outliers, suggesting legitimate protocol usage.

Low-Scoring Wallet Analysis

1. **Poor Repayment Behavior**: Repayment ratios below 0.50, indicating failure to repay significant portions of borrowed amounts.
2. **Liquidation History**: Multiple liquidation events, demonstrating inadequate risk management and potential financial distress.
3. **Anomalous Transaction Patterns**: Unusual transaction timing, frequency, or sizes that deviate significantly from typical user behavior.
4. **Excessive Withdrawals**: High withdraw-to-deposit ratios, suggesting extractive behavior rather than genuine protocol participation.
5. **Limited Asset Diversity**: Interaction with only 1-2 assets, potentially indicating opportunistic or unsophisticated usage.
6. **Bot-Like Behavior**: Some wallets show extremely consistent transaction timing with minimal variance, suggesting automated rather than human-driven activity.
7. **Short-Lived Activity**: Several low-scoring wallets show brief periods of intense activity followed by abandonment, indicating potential exploitative intentions.

Specific Examples

Top Wallet Example

Wallet with ID ending in `...8a27` :

- Credit Score: 96
- Transactions: 58 (24 deposits, 14 borrows, 14 repays, 6 withdrawals, 0 liquidations)
- Repayment Ratio: 0.99
- Account Age: 245 days
- Assets: 5 different tokens (primarily USDC, ETH, DAI)
- Key Strengths: Excellent repayment behavior, no liquidations, long-term participant, well-diversified assets

Bottom Wallet Example

Wallet with ID ending in `...3f41` :

- Credit Score: 12
- Transactions: 37 (18 deposits, 15 borrows, 3 repays, 1 withdrawal, 3 liquidations)
- Repayment Ratio: 0.21
- Account Age: 22 days
- Assets: 2 different tokens (primarily ETH)
- Key Weaknesses: Poor repayment behavior, multiple liquidations, anomalous transaction patterns with unusual timing consistency